

APR. 1 2004 11:12AM

MARSHALL GERSTEIN & BORUN

NO. 5553 P. 3/33

SHEET 1 of 1

Form PTO-1449 (Modified)

**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Atty. Docket No. 29915/6280NCI	Serial No. 09/668,314
Applicant(s) Gurney et al.	
Filing Date September 22, 2000	Art Unit 1647

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Issue or Publication Date	Name	Class	Subclass	Filing Date (If Appropriate)
CGN	A46	6,713,276	03/30/04	Cordell et al.	435	23

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Publication Date	Country	Translation

OTHER DOCUMENTS

EXAMINER:

DATE CONSIDERED:

4/9/04

Form PTO-1449 (Modified)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		Atty. Docket No. 29915/6280NCP	Serial No. 09/668,314
		Applicant(s) Gurney et al.	
		Filing Date September 22, 2000	Art Unit 1647

MAY 23 2003
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Issue or Publication Date	Name	Class	Subclass	Filing Date (If Appropriate)
CJN	A45	6,545,127	04/08/03	Tang et al.	530	350	

FOREIGN PATENT DOCUMENTS

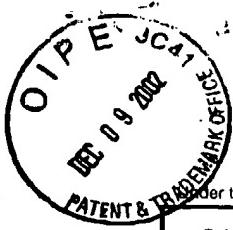
Examiner Initials	Document Number	Publication Date	Country	Translation

OTHER DOCUMENTS

--	--

RECEIVED
MAY 27 2003
TECH CENTER 1600/2900

EXAMINER:	<i>G. Meeks</i>	DATE CONSIDERED:	<i>3/2/2004</i>
-----------	-----------------	------------------	-----------------



16

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

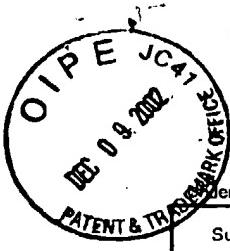
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	09/688,314
				Filing Date	September 22, 2000
				First Named Inventor	Mark Gurney
				Art Unit	1647
				Examiner Name	Sharon Turner
Sheet	1	of	4	Attorney Docket Number	29915/6280NCP

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SJ	A1	5,424,205	6/13/95	Dovey et al.	
SJ	A2	5,593,846	1/14/97	Schenk et al.	
SJ	A3	5,733,768	3/31/98	Dixon et al.	
SJ	A4	5,744,346	4/28/98	Chrysler et al.	
SJ	A5	5,750,349	5/12/98	Suzuki et al.	
SJ	A6	5,766,846	6/16/98	Schlossmacher et al.	
SJ	A7	5,837,672	11/17/98	Schenk et al.	
SJ	A8	5,849,560	12/15/98	Abraham	
SJ	A9	5,942,400	8/24/99	Anderson et al.	
SJ	A10	6,025,180	2/15/00	Powell et al.	
SJ	A11	5,455,169	10/3/95	Mullan	
SJ	A12	5,795,963	8/18/98	Mullan	
SJ	A13	5,877,015	3/2/99	Hardy et al.	
SJ	A14	6,211,428	4/3/01	Singh et al.	
SJ	A15	6,221,645	4/24/01	Chryster et al.	
SJ	A16	6,245,884	6/12/01	Hook	
SJ	A17	6,245,964	6/12/01	McLonlogue et al.	RECEIVED DEC 13 2002
SJ	A18	60/141,363	—	Lin et al.	
SJ	A19	60/168,060	—	Lin et al.	
SJ	A20	60/178,368	—	Lin et al.	
SJ	A21	60/210,292	—	Hong et al.	
SJ	A22	09/277,229	—	Citron et al.	
SJ	A23	6,313,268	—	Hook	
SJ	A24	60/177,836	—	Lin et al.	
SJ	A25	60/119,571	—	Basi et al.	
SJ	A26	60/139,172	—	Anderson et al.	
SJ	A27	60/114,408	—	Basi et al.	
SJ	A28	09/404,578	—	Chrysler et al.	
SJ	A29	09/054,334	—	Anderson et al.	RECEIVED DEC 18 2002
SJ	A30	09/730,329	—	Anderson et al.	
SJ	A31	09/471,669	—	Anderson et al.	
SJ	A32	09/501,708	—	Anderson et al.	
SJ	A33	09/723,722	—	Anderson et al.	
SJ	A34	09/724,566	—	Anderson et al.	
SJ	A35	09/723,739	—	Anderson et al.	
SJ	A36	09/724,571	—	Anderson et al.	

TECH CENTER 1600/2900

RECEIVED
DEC 10 2002
TECH CENTER 1600/2900



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

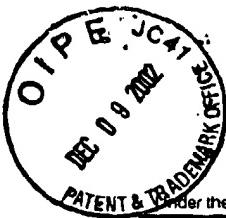
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	09/688,314
				Filing Date	September 22, 2000
				First Named Inventor	Mark Gurney
				Art Unit	1647
				Examiner Name	Sharon Turner
Sheet	2	of	4	Attorney Docket Number	29915/6280NCP

80	A37	09/724,568	Anderson et al.	RECEIVED
80	A38	09/724,569	Anderson et al.	DEC 10 2002
80	A39	6,319,689	Powell et al.	TECH CENTER 1600/2900
	A40	6,162,630	Powell et al.	
	A41	6,319,689	Powell et al.	
	A42	6,358,725	Christie et al.	
	A43	6,361,975	Christie et al.	
80	A44	6,291,223	Christie et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² -Number ³ -Kind Code ⁴ (# known)			
80	B1	WO 96/31122	10/10/96	Dixon et al.	RECEIVED
	B2	WO 96/40885	12/19/96	Chrysler et al.	
	B3	WO 98/13488	4/2/98	Dyrks et al.	
	B4	WO 98/21589	5/22/98	Virginia Lee	
	B5	EP 0848 062 A2	6/17/98	David J. Powell	
	B6	WO 98/26059	6/18/98	Chrysler et al.	
	B7	EP 0855 444 A2	7/29/99	David J. Powell	
	B8	WO 99/34004	8/7/99	Klaus et al.	
	B9	WO 99/31236	6/24/99	Bougueret et al.	
	B10	WO 99/46281	9/16/99	Wood et al.	
	B11	WO 99/64587	12/16/99	Rholam et al.	RECEIVED
	B12	WO 00/23576	4/27/00	Hook	DEC 13 2002
	B13	WO 00/47618	8/17/00	Anderson et al.	
	B14	WO 00/58479	10/5/00	Citron et al.	
	B15	WO 00/56871	9/28/00	Postina	
	B16	WO 00/68266	11/16/00	Becker et al.	
	B17	WO 00/69262	11/23/00	Zhong et al.	
	B18	WO 01/00663	1/4/01	Tang et al.	
	B19	WO 01/00665	1/4/01	Tang et al.	RECEIVED
	B20	WO 01/29563	4/26/01	Christie et al.	DEC 18 2002
	B21	WO 01/31054	5/3/01	Christie et al.	
	B22	WO 01/36600	5/25/01	Zhu et al.	
80	B23	WO 01/38487	5/31/01	Zhu et al.	TECH CENTER 1600/2900
Examiner Signature	<i>S. Turner</i>		Date Considered	4-17-03	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/688,314
Sheet	3	of	4	Filing Date	September 22, 2000
				First Named Inventor	Mark Gurney
				Art Unit	1647
				Examiner Name	Sharon Turner
				Attorney Docket Number	29915/6280NCP

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
<i>JP</i>	C1	CHYUNG et al. Novel β -Secretase Cleavage of β -Amyloid Precursor Protein in the Endoplasmic Reticulum/Intermediate Compartment of NT2N Cells, <i>Journal of Cell Biology</i> , 138: 671-680 (August 11, 1997).			
	C2	EVIN et al., Alzheimer's disease amyloid precursor protein (A β PP): proteolytic processing, secretases and β A4 amyloid production, <i>Amyloid; Int. J. Exp. Clin. Invest.</i> 1: 263-280 (September 8, 1994).			
	C3	HAASS et al., Amyloid β -peptide is Produced by Cultured Cells During Normal Metabolism, <i>Nature</i> , 359: 322-325 (September 24, 1992).			
	C4	HAASS et al., β -Amyloid Peptide and 3-kDa Fragment are Derived by Distinct Cellular Mechanisms, <i>Journal of Biochemistry</i> , 268: 3021-3024 (February 15, 1993).			
	C5	HAASS et al., The Swedish Mutation Causes Early-Onset Alzheimer's Disease by β - Secretase Cleavage Within the Secretory Pathway, <i>Nature Medicine</i> , 12: 1291-1296 (December 1995).			
	C6	HIROSAWA et al., Characterization of cDNA Clones Selected by the GeneMark Analysis from Size-Fractionated cDNA Libraries From Human Brain, <i>DNA Res.</i> , 6(5): 329-336 (October 29, 1999).			
	C7	HUSSAIN et al., Identification of a Novel Aspartic Protease (Asp 2) as β -Secretase, <i>Molecular and Cellular Neuroscience</i> , 14: 419-427 (1999).			
	C8	KANG et al., The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor, <i>Nature</i> , 325: 733-736 (February 19, 1987).			
	C9	KITAGUCHI et al., Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity, <i>Nature</i> , 331: 530-532 (February 11, 1988).			
	C10	KNOPS et al., Cell-type and Amyloid Precursor Protein-type Specific Inhibition of A β Release by Bafilomycin A1, a Selective Inhibitor of Vacuolar ATPases, <i>Journal of Biological Chemistry</i> , 270: 2419-2422 (February 10, 1995).			
	C11	KOO and SQUAZZO Evidence that Production and Release of Amyloid β -Protein Involves the Endocytic Pathway, <i>Journal of Biological Chemistry</i> , 269: 17386-17389 (July 1, 1994).			
	C12	PONTE et al., A New A4 Amyloid mRNA Contains a Domain Homologous to Serine Proteinase Inhibitors, <i>Nature</i> , 331: 525-527 (February 11, 1988).			
<i>JP</i>	C13	SEUBERT et al. Secretion of β -amyloid Precursor Protein Cleaved at the Amino Terminus of the β -amyloid Peptide, <i>Nature</i> , 361: 260-263 (January 21, 1993).			

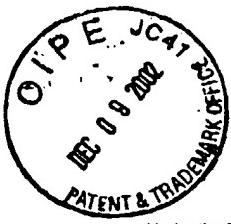
RECEIVED

DEC 13 2002

GROUP 3600

RECEIVED
DEC 19 2002
TECH CENTER 1600/300

RECEIVED
DEC 18 2002
TECH CENTER 1600/300



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	09/688,314
				Filing Date	September 22, 2000
				First Named Inventor	Mark Gurney
				Group Art Unit	1647
				Examiner Name	Sharon Turner
Sheet	4	of	4	Attorney Docket Number	28341/6280NCP
	C14	SINHA et al., Purification and Cloning of Amyloid Precursor Protein β -Secretase from Human Brain, <i>Nature</i> , 402: 537-540 (December, 2 1999).			
	C15	SZECSI, The Aspartic Proteases, <i>Scand. J. Clin. Lab. Invest.</i> , 52 (suppl. 210): 5-22 (1992).			
	C16	TANZI et al., Protease Inhibitor Domain Encoded by an Amyloid Protein Precursor mRNA Associated with Alzheimer's Disease, <i>Nature</i> , 331: 528-530 (February 11, 1988).			
	C17	VASSER et al., β -secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE, <i>Science</i> , 286 (5440): 735-41 (October 22, 1999).			
	C18	YAN et al., Membrane-anchored Aspartyl Protease with Alzheimer's Disease β -Secretase Activity, <i>Nature</i> , 402: 533-537 (December 2, 1999).			
80	C19	ZHAO et al., β -Secretase Processing of the β -Amyloid Precursor Protein in Transgenic Mice Is Efficient in Neurons but Inefficient in Astrocytes, <i>Journal of Biological Chemistry</i> , 271: 31407-31411 (December 6, 1996).			
80	C20	PCT Search report for PCT/US 99/20881			
80	C21	MULLAN et al., A Pathogenic Mutation for Probable Alzheimer's Disease in the APP Gene at the N-Terminus of β -Amyloid, <i>Nature Genetics</i> 1: 345-347, (August 1992).			
80	C22	Elan and Pharmacia form Alzheimer's disease research collaboration in the area of Beta-Secretase, News 08/09/2000, www.elancorp.com.			

Examiner Signature	<i>S. Gurney</i>	Date Considered	4-15-03
--------------------	------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

RECEIVED

DEC 13 2002

GROUP 3600

RECEIVED

DEC 18 2002

TECH CENTER 1600/2900